Title (en)
METHOD FOR PRODUCING POLYURETHANE PARTICLES

Title (de)
VERFAHREN ZUR ERZEUGUNG VON POLYURETHAN-PARTIKELN

Title (fr)
PROCEDE DE FABRICATION DE PARTICULES DE POLYURETHANE

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Application
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Abstract (en)
[origin: US6548619B2] The present invention relates to a process for the production of particles from solutions or melts of heat-activatable polyurethanes byi) dissolving a compressible auxiliary agent at a pressure of between 50 and 1000 bar into a conveyable solution or melt of a heat-activatable polyurethane to obtain a mixture of polyurethane, compressible auxiliary agent and optionally solvent,ii) optionally adjusting of the temperature of the resulting mixture to a temperature of from 40° K below to 150° K above the crystallite melting point of the polyurethane,iii) expanding the mixture by means of an expansion device into a container, while adjusting the temperature in the container to at least 5° K below the softening temperature of the polyurethane to maintain the open jet particles in a form in which they do not agglomerate, andiv) separating the formed particles from the stream of decompressed compressible auxiliary agent and optionally solvent.

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